

HORWICH URBAN DISTRICT COUNCIL.

Medical Officer's Report

For the Year ending 31st December, 1910.

TO THE CHAIRMAN AND MEMBERS OF THE HORWICH URBAN
DISTRICT COUNCIL.

GENTLEMEN,

I beg to present my 3rd Annual Report for the year ended 31st December, 1910.

The total population estimated to the middle of the year 1910 was 16,646.

Deaths.—The total number of deaths registered, including those of residents outside the district in public institutions, and deducting residents from outside who died in public institutions in this district, was 170. 93 were males and 77 females; giving a net rate of those belonging to the district of 10·2 per 1,000 of the estimated population. This is the lowest death rate ever recorded for Horwich. In 1909 the rate was 11·56 per 1,000.

The average for the past 10 years was 213 with a rate of 13·4, calculated on an average population of 15,833. 10 persons belonging to the district died in public institutions outside the district, and 8 persons died in Fall Birch Hospital belonging to another district.

The natural increase in the population was 218.

The age mortality was as follows:—Under 1 year, 50; 1 year and under 5, 25; 5 and under 15, 8; 15 and under 25, 7; 25 and under 65, 45; 65 and upwards, 35; North Ward 37, South Ward 48, East Ward 32, and Central Ward 53.

Births.—During the year the births of 388 children were registered—195 boys and 193 girls; equal to a rate of 23·3 per 1,000, again the lowest on record.

The average births of the past 10 years was 452, with a rate of 28·5 per 1,000 per annum. In 1909 the rate was 24·71 per 1,000.

Infantile Mortality.—The deaths of children under 5 years of age numbered 75, including 50 infants under the age of 12 months. The infantile mortality (measured in the proportion of deaths under 1 year to 1,000 births) was 128. The average for the past 10 years is 129 per 1,000.

The infantile mortality compared with that of other towns is not above the average. When, however, the fact is considered that out of a total of 170 deaths, 50 (30 per cent.) are under the age of 1 year, it must be admitted that the mortality is too high. A falling death rate and a falling birth rate, both of which conditions are present in Horwich, should be accompanied by a corresponding fall in the infantile mortality. A reference to the appended tables will shew that very little reduction has been effected in this mortality.

Although a large number of infantile deaths are inevitable, a certain number are due to preventable causes. A large factor in these preventable causes is ignorance of the proper feeding and care of children. Under the circumstances the Council might consider the advisability of adopting the Notification of Births Act, 1907.

Zymotic Diseases.—The number of deaths due to the principal zymotic diseases, including Small Pox, Scarlet Fever, Diphtheria, Diphtheritic Croup, Enteric Fever, Measles, Whooping Cough, and Epidemic Diarrhœa, was 11; equal to a rate of ·66 per 1,000.

The deaths were ascribed to the following causes:—Scarlet Fever, 2; Enteric Fever, 4; Diarrhœa, 3; Diphtheria, 2. In 1909 the rate was ·79 per 1,000.

Diseases of Organs of Respiration.—18 deaths were due to these affections; Pneumonia, 11; Bronchitis, 5; and other diseases, 2. The rate is 1·08 per 1,000, as compared with 1·9 per 1,000 in 1909.

Tuberculosis of Lungs caused 13 deaths. Last year 12 deaths were registered as due to this cause.

Two poor persons under the Public Health Act (Tuberculosis) Regulations, 1908, have been notified to me as suffering from the disease. Each person has been visited, a spittoon supplied, and the general hygienic measures advised. On a death occurring the premises, bedding and clothes, etc., are disinfected. Disinfection is also carried out when any death from Tuberculosis is voluntarily notified.

More supervision of the disease could be obtained if it were made compulsorily notifiable. There is no hospital accommodation for Tuberculosis in this district.

During November in this year, in conjunction with the neighbouring township of Bolton, a crusade against this disease was organised.

An Exhibition was held in Bolton, and lectures were delivered in Horwich by Dr. Sergeant (County Medical Officer of Health), and Dr. Moffatt (Assistant Medical Officer of Health), Bolton.

Infectious Diseases.—The total number of notifications during the year amount to 71. The diseases notified were:—Erysipelas, 8; Diphtheria and Membranous Croup, 10; Scarlet Fever, 45; Typhoid Fever, 8. This is the smallest number of notifications on record in any one year. In 1909 the number of notifications was 137. Of these 71 cases, 49, comprising Diphtheria, 4; Scarlet Fever, 37; and Typhoid Fever, 8; were removed to hospital for treatment and isolation. Last year 82 cases were removed.

Scarlet Fever.—45 cases notified during the year, 37 of these being removed to hospital, and 8 treated at home. The disease has been of a mild type, 2 deaths, one at home and one in hospital only occurring. The falling off in the number of notifications has been chiefly due to the reduction in the number of cases of this disease.

Diphtheria and Membranous Croup.—10 cases notified, 4 being removed to hospital. A bacteriological examination of the throat was made in 9 cases, with the following results—positive 7, negative 2. One death has occurred. In 1909, 16 cases notified, with 6 deaths.

The Council now supply diphtheria antitoxin free of charge to medical practitioners. The prompt administration of this remedy has, I believe, been the cause of the reduction in the mortality from this disease. The duration also of the attack has been considerably shortened.

Enteric Fever.—8 cases were notified and all were removed to hospital. Two at least of these cases contracted the disease elsewhere. The Widal reaction was positive in 6 and negative in 2. The disease has been of an exceptionally virulent type, 4 deaths occurring. In 1909, 3 cases were notified with 1 death.

Chicken Pox.—A large number of cases of this disease have occurred, but there have been no deaths.

Whooping Cough and Measles.—No deaths registered as due to these causes.

Erysipelas.—8 cases notified, no deaths. In 1909, 9 cases with no deaths.

Puerperal Fever.—No cases notified.

Ophthalmia Neonatorum.—This disease was made compulsorily notifiable by the Council during the year. As yet no notifications have been received.

In all infectious cases disinfectants were supplied, bedding, clothing, etc., disinfected, and premises cleansed.

The free supply of disinfectants in the district is being increasingly appreciated. The public should be reminded that the use of these disinfectants is not intended to and will not take the place of thorough mechanical cleansing of premises, sinks, gullies, etc.

Infectious Hospital.—This is situated at Fall Birch. It is held conjointly with Westhoughton and Blackrod. Copy of the Annual Report of the Medical Officer to that institution is appended herewith.

Temporary Small Pox Hospital.—This has been regularly inspected, and found in good order and ready for the reception of patients, should a manifestation of this disease occur.

Inspections have been regularly and specially made throughout the district.

GENERAL SANITARY WORK.

In conjunction with the Sanitary Inspector who has been unsparing in his efforts for reform, we are able to report that considerable progress has been made in this department.

The *general social condition* of the inhabitants remains the same as recorded in the reports of previous years.

Housing Accommodation.—During the year, 15 houses have been cleansed, limewashed, and re-papered. The Housing and Town Planning Act, 1909, is now in force in the district. Notices have been served on the owners of 10 houses which did not come up to the standard required by the provisions of this new Act. It is satisfactory to report that all due attention has been promised, and a scheme for the remodelling of the property is now under consideration. We are hoping that when the workings of this Act are fully developed, they will improve considerably the housing accommodation of the inhabitants. In particular, efforts should be made to ensure houses being free from dampness, a fault which is only too common in this neighbourhood.

The adoption of the Public Health Act Amendment Act, 1907, has enabled the Council to deal more effectively with the flagging of yards. Seven notices have been served on owners to have this work carried out, the result being that these yards have been flagged to the satisfaction of the Council.

Water Supply.—The water supply of the district is chiefly derived from moorland. It is stored in the new reservoir at Marklands. The supply continues to be good and plentiful. An analysis is appended herewith. There has been no pollution. The consumption of water tends to increase, shewing that the inhabitants are using more for domestic and sanitary purposes. The town's supply of water has been laid on to 27 different tenements, including 2 farms.

Milk Supply.—There are 51 cowkeepers and 32 purveyors of milk on the register. During the year 168 inspections have been made. In connection with the special survey of cowsheds made in 1909, I have to report that the occupiers have shewn a general agreement to fall into line with the regulations laid down by the Dairies and Cowsheds Orders. Re-modelling, in order to meet these orders is in progress at several farms. 600 cubic feet of air should be available for each cow. I would again draw attention to the importance of the grooming of cows, thus preventing the milk from becoming contaminated. The purveyors of milk and shopkeepers should avoid the storing or exposing of milk in proximity to articles likely to produce souring of the milk. Great care should be taken to keep all milk covered, in order to prevent the entrance of flies, dust, etc. The infection of infantile Diarrhoea and Typhoid Fever is often conveyed by this means. During the year 10 samples of milk have been submitted to the County Analyst. In one case the report necessitated a prosecution, but a conviction was not obtained.

No arrangements have as yet been made for the examination of dairy cows by veterinary surgeons.

Food Supplies.—There are four slaughter-houses in the district, two registered and two licensed. These have been regularly visited, both at the times of slaughtering and at other times. The necessary regulations with regard to cleanliness, etc., were being carried out. There have been five seizures of diseased and unsound food, consisting of two carcasses and offal, two sets of lungs, and one portion of carcase damaged through injury. With the exception of the last named, all were found to be affected with Tuberculosis, and were condemned and destroyed. In several instances the vendors have voluntarily destroyed unsound food when their attention has been called to its condition.

The shops and places used for the preparation and sale of food have been kept in a satisfactory state of cleanliness.

The Council's Sanitary Inspector obtained the certificate of the Sanitary Institute for Inspector of Meats and other Foods in 1905.

Sewerage and Drainage.—During the year, the whole of the sewage of the district has received treatment by chemical precipitation and bacterial filtration by sprinkler distribution on percolating filter beds. The purification is satisfactory, and we continue to show a good effluent.

There have been 1,279 loads of sludge cake extracted from the sewage during the year. There is now a greater demand by the farmers for this cake. They are finding it very useful for manurial purposes.

Thirty-eight houses, previously without sufficient drains have been properly drained and connected to the Council's sewers.

A marked advance has been made in the conversion of the privies and pail closets to the water carriage system. 40 privies and 57 pail closets have been abolished, and 143 clean water closets substituted. The following is a list of the sanitary conveniences within the district :—

WARD.	Water Clos'ts	Slop Clos'ts	La- trines	Pails	Privies	Ash- pits	Dust Bins
North	277	205	36	117	290	198	168
South	178	442	123	169	281	257	218
East	262	376	20	158	177	295	186
Central	346	238	12	66	300	200	240
Total	1063	1261	191	510	1048	950	812

Removal of Nightsoil and House Refuse.—This is efficiently carried out by the Council's workmen. During the year, 6,831 privies, 7,683 ashpits, 25,849 pails, and 37,582 dust bins have been emptied, making 4,621 loads of refuse, of which the greater portion has been carted on to Red Moss, and an additional area has been reclaimed for cultivation.

During the year, 34 ashpits have been abolished, and it is encouraging to find that the inhabitants are more and more appreciating the sanitary advantages of the dust bin.

Lodging Houses.—There are three common lodging houses on the register. These have been regularly visited. The bye-laws have been adhered to by the keepers.

Vans used as Dwellings.—The dwelling vans of showmen visiting the town have been visited from time to time and kept under observation. On the whole their sanitary condition was found to be satisfactory, and no infectious disease was found to exist amongst the occupiers.

Factories and Workshops.—These have been periodically inspected, together with the premises where home work is being carried on. All requirements have been complied with. The special report giving particulars of work done is enclosed herewith.

Bakehouses.—These on inspection have been found to be in a satisfactory condition.

Schools.—These were regularly inspected and were found to continue in a sanitary condition. An epidemic of chicken pox has affected a number of scholars, but school closure has not been found necessary. Voluntary notifications from the heads of schools have been received as follows:—Chicken Pox, 45; Whooping Cough, 7; Scarlet Fever, 8; and Diphtheria, 2; making a total of 62. The arrangements for the medical inspection of school children are in the hands of the County Council.

Smoke.—20 observations have been taken of smoke emitted from the chimneys in the district. In one or two instances, it has been necessary to complain to the owners on account of excess of black smoke. Interviews have been held with owners and firemen, both promising to do all in their power to minimise the nuisance. Two persons were summoned for chimney firing, and the usual penalty enforced.

Inspections.—Inspections have been regularly and specially made throughout the district. In consequence of these inspections, 127 preliminary notices and 26 statutory notices have been served upon owners and occupiers for the abatement of nuisances. I am pleased again to report that it has not been necessary to institute legal proceedings for non-compliance with notices served.

The following is a summary of the Inspector of Nuisances Report :—

Defects to drains, closets, waste pipes, etc., made good	...	106
Repairs to yard walls, doors, ashpits, privies and pail closets	...	32
New drains to premises provided	... ..	38
Intercepting and inspection chambers built	... ..	28
New w.c.'s provided	... ..	143
New and improved gullies and tops, new slop pipes, etc., provided	... ..	57
Ventilating shafts fixed on house drains	... ..	12
New dust bins provided	... ..	94
Privies, pail closets, and ashpits abolished	... ..	139
Re-flagging of yards, and general repairs about house property	... ..	11
Defective roofs, spouting, and rain water pipes	... ..	5
New pail closets built	... ..	6
Passage paved	... ..	1
Other nuisances abated	... ..	17
Total	... ..	689

Summarising the whole report, I think the Council is to be congratulated on its satisfactory character. I am pleased to report such a low death rate, also the great diminution in the number of cases of infectious disease, in both instances record figures being established. It is encouraging to feel that the money spent on and your efforts towards sanitary improvements are showing a tangible result.

I am, Gentlemen,

Your obedient servant,

J. S. SEWELL,

Medical Officer of Health.

Horwich, January 31st, 1911.

Copy Certificate of County Analyst of
Analysis of Water Supply,
 JANUARY, 1911.

EXPRESSED IN PARTS PER 100,000.

	Reser- voir.	Tank behind "Rock Haven."
Mark and denomination of the sample	No. 1.	No. 2.
Total solid matter in solution	17.0	24.0
Oxygen required to oxidise { in 15"	.055	.000
{ in 3 hours	.144	.002
Ammonia ... ..	.002	.001
Ammonia from Organic matter by distillation with alkaline } permanganate ... ..	.005	.000
Nitrogen as Nitrates ... ..	.02	trace
,, Nitrites	absent	absent
Combined Chlorine	1.4	1.2

Remarks :—No. 1 was clear, yellow (in 2ft. thickness) and alkaline to litmus. It contained very few living organisms.

No. 2 was clear, colourless and alkaline to litmus, and also contained very few living organisms.

Both samples were free from lead, and are very good waters for drinking and domestic use.

TABLE I.

Vital Statistics of whole District during 1910 and Previous Years.

Horwich Urban Sanitary District.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTITU- TIONS IN THE DISTRICT.	Deaths of Non- residents registered in Public Institu- tions in the District.	Deaths of Residents registered in Public Institu- tions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number.	RATE*	Under 1 Year.		At all ages.					Number.	Rate*
				Number.	Rate per 1,000 Births registered	Number.	Rate*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1900	15960	526	32·9	82	155	265	16·6			1	266	16·6
1901	15084	462	30·6	75	162	205	13·7			3	208	13·7
1902	15337	486	31·6	47	96	209	13·6			5	214	13·9
1903	15614	496	31·7	62	125	237	15·1		1	4	240	15·3
1904	15837	464	29·2	61	131	207	13·4			10	217	13·6
1905	15886	454	28·5	68	149	212	13·3	5	3	6	215	13·5
1906	15976	421	26·4	48	114	202	12·6	13	4	4	202	12·6
1907	16000	387	24·1	40	103	173	11·3	16	8	8	173	10·8
1908	16214	426	26·2	62	147	202	12·4	7	1	9	210	12·9
1909	16430	406	24·7	46	113	188	11·4	12	3	5	190	11·5
Averages for years 1900-1909.	15833	452	28·5	59	129	210	13·3	5	2	5	213	13·4
1910	16646	388	23·3	50	128	168	10·09	14	8	10	170	10·2

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water). }	3,202.	Total population at all ages...	... 15,084	} At Census of 1901.
		Number of inhabited houses	... 3,159	
		Average Number of persons per house	4·7	

TABLE II. Vital Statistics of Separate Localities in 1910 and previous years.

HORWICH URBAN SANITARY DISTRICT.

NAMES OF Lo- CALITIES.	WHOLE DISTRICT.					NORTH WARD.					SOUTH WARD.					EAST WARD.					CENTRAL WARD.				
	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	a.	b.	c.	d.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	a.	b.	c.	d.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.			
YEAR.	a.	b.	c.	d.	Population estimated to middle of each year.	a.	b.	c.	d.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	a.	b.	c.	d.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.			
1900 ..	15960	526	265	82	3964			73	20	3816		60	18	4108			56	19	4077		76	25			
1901 ...	15084	462	208	75	3640	100	100	44	14	3608	116	47	16	3983	113	113	51	14	3853	133	66	31			
1902 ...	15337	486	209	47	3796	120	120	56	15	3676	121	36	11	3945	103	103	56	9	3929	142	61	14			
1903 ...	15614	496	241	62	3860	105	105	59	15	3761	142	56	14	3992	120	120	62	15	4001	129	64	19			
1904 ...	15873	464	217	61	3900	102	102	48	10	3803	114	62	14	4039	110	110	42	9	4046	138	65	24			
1905 ..	15886	454	215	67	3823	103	103	52	16	3795	113	54	15	3982	111	111	50	12	4286	127	59	24			
1906 ...	15976	421	202	48	3857	116	116	45	12	3829	105	54	13	3984	92	92	53	7	4306	108	50	16			
1907 ...	16000	387	173	40	3928	84	84	45	6	3880	100	38	8	4023	92	92	55	12	4364	111	53	14			
1908 ...	16214	426	210	62	3967	103	103	42	13	3942	112	63	12	4099	91	91	47	14	4156	120	58	23			
1909 ...	16430	406	190	46	4028	85	85	51	16	3991	104	37	9	4143	87	87	51	5	4218	130	51	16			
Averages of Years 1900 to 1909.	15837	452	213	59	3876	91	91	51	13	3810	114	50	13	4029	102	102	52	11	4123	126	60	20			
1910	16646	388	170	50	4062	95	95	37	12	4058	109	48	11	4179	90	90	32	7	4297	94	53	20			

TABLE III.

Cases of Infectious Disease notified during the Year 1910.
HORWICH URBAN SANITARY DISTRICT.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.				NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.				
	At all Ages.	At Ages. — Years.					North Ward	South Ward	East Ward	Centr'l Ward	North Ward	South Ward	East Ward	Centr'l Ward	Total cases re-moved to H'pital
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65										65 and upw'ds
Small-pox															
Cholera															
Diphtheria (including Membranous Croup)...	10		4	6			4	3	1	2	2	2			4
Erysipelas	8	1				6	2	1	2	3					
Scarlet Fever	45		13	27	3	2	9	14	20	2	8	11	15	3	37
Typhus Fever															
Enteric Fever	8				2	6	2	1	4	1	2	1	4	1	8
Relapsing Fever															
Continued Fever															
Puerperal Fever															
Plague															
Totals...	71	1	17	33	5	14	17	19	27	8	12	14	19	4	49

Isolation Hospital.—Fall Birch Hospital for Horwich, Westhoughton, and Blackrod.

TABLE IV.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1910.

HORWICH URBAN SANITARY DISTRICT.

CAUSES OF DEATH.	DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING IN OR BEYOND THE DISTRICT.							DEATHS AT ALL AGES OF "RESIDENTS" BELONGING TO LOCALITIES, WHETHER OCCURRING IN OR BEYOND THE DISTRICT.				TOTAL DEATHS WHETHER OF 'RESIDENTS' OR 'NON- RESIDENTS' IN PUBLIC INSTITUTIONS IN THE DISTRICT.
	All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and up- wards	North Ward.	South Ward.	East Ward.	Centr'l Ward.	
Small-pox												
Measles												
Scarlet Fever	2		1	1					2			5
Whooping-cough												
Diphtheria (including Membranous Croup) ...	1		1						1			2
Croup												
Fever { Typhus	4					4		1	1	1	1	7
Enteric												
Other continued												
Epidemic Influenza ...	3			1		2			1		2	
Cholera												
Plague												
Diarrhœa	3	3							1		2	
Enteritis	10	7	2				1	3	2		5	
Gastritis	8	4	2			2		1	3	2	2	
Puerperal Fever												
Erysipelas												
Phthisis (Pulmonary Tuberculosis)	13		2	1	1	9		4	2	1	6	
Other tuberculous diseases	7	3	2	1		1		1	2		4	
Cancer, malignant disease	12				2	4	6	4	3	3	2	
Bronchitis	5						5	2	2	1		
Pneumonia	11	4	4		1	2		1	2	4	4	
Pleurisy												
Other diseases of Respira- tory organs	2	1				1		1	1			
Alcoholism	3					3		1	1		1	
Cirrhosis of Liver }												
Venereal Diseases ...	1	1							1			
Premature Birth	3	3						2		1		
Diseases and accidents of parturition	1					1				1		
Heart Diseases	14	2	1	1		5	5	4	4	4	2	
Accidents	8		2	1	1	4		2	4		2	
Suicides	1			1					1			
All other causes	58	22	8	1	2	7	18	10	14	14	20	
All causes	170	50	25	8	7	45	35	37	48	32	53	14

TABLE V.

HORWICH URBAN SANITARY DISTRICT.

INFANTILE MORTALITY DURING THE YEAR 1910.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.				Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
All Causes.	{	Certified ...	...	8	4	1	2	15	7	5	5	6	2	2	2			5	1	50
Common Infectious Diseases.	{	Small Pox ...																		
		Chicken Pox ...																		
		Measles ...																		
		Scarlet Fever ...																		
		Diphtheria (including Membranous Croup ...																		
Diarrhoeal Diseases.	{	Whooping Cough ...																		
		Diarrhoea, all forms								2			1							3
		Enteritis, Muco-enteritis, Gastro-enteritis ...									3			1	1			1	1	7
		Gastritis, Gastro-intestinal Catarrh								1	1	1	1							4
Wasting Diseases.	{	Premature Birth ...			3			3												3
		Congenital Defects ...			4	1	2	7	2	1	1									11
		Injury at Birth ...																		
		Want of Breast-milk { Starvation ...																		
Tuberculous Diseases.	{	Atrophy, Debility, Marasmus ...				1	1	2	2			1								5
		Tuberculous Meningitis ...																		
		Tuberculous Peritonitis: Tabes Mesenterica ...										2								2
		Other Tuberculous Diseases ...																		
Other Causes	{	Erysipelas ...												1						1
		Syphilis ...							1											1
		Rickets ...																		
		Meningitis (not Tuberculous) ...										1								1
		Convulsions ...				1		1				1						1		3
		Bronchitis ...																		
		Laryngitis ...																		
		Pneumonia ...								1					1			2		4
Suffocation, overlying Other Causes ...			1	1		2	2										1	5		
				8	4	1	2	15	7	5	5	6	2	2	2			5	1	50

Births in the Year ... { legitimate ... 383.
 illegitimate ... 5.

Deaths in the Year of { legitimate infants ... 48.
 illegitimate infants ... 2.

Deaths from all causes at all ages, 170.

Population estimated to middle of 1910, 16,646.

Horwich Urban Sanitary District.

Factories, Workshops, Laundries, Workplaces and Homework.

1.—INSPECTION.

Premises.							Number of		
							Inspections.	Written Notices.	Prosecutions.
Factories...	...	...	...	...	...	...	31	0	0
Workshops	...	...	...	...	...	...	50	0	0
Workplaces	...	...	...	...	...	...	44	0	0
Total	...	...	...	...	...	...	125	0	0

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
Want of cleanliness	2	2	0	0
Other nuisances	0	0	0	0
Sanitary Accommodation, insufficient	2	2	0	0
Total	4	4	0	0

3.—HOMEWORK.

Nature of Work.	Lists.	Outworkers.	Number of Inspections.
Wearing Apparel—Making, &c. 	14	28	20

4.—REGISTERED WORKSHOPS.

Workshops on the Register at the end of the year.											Number.
Factories...	...	...	...	...	...	...	...	...	...	...	12
Workshops	...	...	...	...	...	...	...	...	...	...	15
Workplaces	...	...	...	...	...	...	...	...	...	...	34
Bakehouses	...	...	...	...	...	...	...	...	...	...	16
Total number of Workshops on Register											77

